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Fiftieth Annual Report of the Medical Officer of Health for the Linton Rural District, in the Administrative County of Cambridge, for the Year 1923.

THIS REPORT is prepared in accordance with the Memorandum of the Ministry of Health as to the contents and arrangement of the Annual Reports of Medical Officers of Health for 1923.

GENERAL STATISTICS.

Area (acres): Land, 48,036; Inland water, 79.—Total 48,115.

Population (1923): For Birth rate, 9,796; for Death rate, 9,542.

Number of inhabited houses: (1921) 2,581.

Number of families or separate occupiers (1921): 2,602.

Rateable Value: £71,162.

Sum represented by a penny rate: £296.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

BIRTHS: Legitimate 165 (83 males, 82 females), Illegitimate 7 (4 males, 3 females). Total 172. Birth rate 17.5.

DEATHS: 135 (66 males, 69 females). Death rate 14.1.

Number of women dying in, or in consequence of, childbirth: from sepsis, 0; from other causes, 0.

DEATHS of Infants under one year of age: Legitimate, 10; Illegitimate, 1. Total, 11. Infantile Mortality, 63.9.

DEATHS: from Measles (all ages), 0; Whooping Cough (all ages), 0; Diarrhœa (under two years of age) 0.

TUBERCULOSIS: There were nine deaths from Tuberculous diseases (6 males, 3 females).

Notifiable Diseases during 1923.

Disease.	Cases notified.	Age—Periods.												Removed to Hospital Cambridge.	Total Deaths
		—1	1—	2—	3—	4—	5—	10—	15—	20—	35—	45—	65—		
Small-Pox	—														—
Diphtheria	3			1			1		1					1	—
Scarlet Fever	4					1	3							2	—
Enteric Fever	—													—	—
Puerperal Fever	—													—	—
Pneumonia	—													—	—
Erysipelas	3						1						2	—	1
Totals	10			1		1	5		1				2	3	1

INFECTIOUS DISEASES.

There were three cases of Diphtheria notified during the year. One case was removed to Hospital, one was an only child, and one case was convalescent when discovered. One case occurred at Sawston, one at Weston Colville and one at Hinxton.

Four cases of Scarlet Fever were notified, all from Horsheath. Two cases occurred at a farm which supplied milk to the district; they were removed to Hospital. In two cases the patient was an only child and was isolated at home.

There were numerous cases of Measles at Hinxton and Ickleton. The school at Hinxton was closed from February 21st till the Easter holidays and that at Ickleton from March 13th till the Easter holidays.

Whooping cough occurred at Weston Colville and Chicken Pox at Pampisford.

There were twenty-two "new" cases of Tuberculosis notified; of these, thirteen were males and nine were females; twenty were respiratory and two were non-respiratory cases.

There were nine deaths from Tuberculosis (six males and three females) Eight were respiratory cases and one was non-respiratory.

Since 1911 there have been ninety-six cases registered as dying from Tuberculosis; of these, fifty-six were males and forty were females; eighty-four were respiratory and twelve were non-respiratory cases.

Sixty of the respiratory cases, that is, 71%, died between the ages of 25 and 54 years, the most useful and productive period of life.

The ages at death of the non-respiratory cases were—

Tuberculosis of the	Hip Joint	30 years.
	Abdomen	1, $2\frac{1}{2}$, 5, 20, 33, 51 years.
	Meninges	$3\frac{2}{3}$, 8, 11, 15. years

There were no cases of Ophthalmia Neonatorum notified during the year.

Tuberculosis.

Age Periods.	New Cases.				Deaths.				*Deaths during Years 1910–1923.			
	Respiratory		Non-respiratory		Respiratory		Non-respiratory		Respiratory		Non-respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
0 ..												
1 ..									1			3
5 ..	2		1						1			2
10 ..	1			1					1	2		1
15 ..	1	1							3	4	1	
20 ..									5	3		1
25 ..	3	2			2				18	8	2	
35 ..	4	4			2	1			11	8		
45 ..	1	1			2				9	6		1
55 ..									2			
65 and upwards						†1		1	2			1
Totals ..	12	8	1	1	6	2	0	1	53	31	3	9

* Ages at death compiled from Register of Notifications.

† This case was not notified.

HOSPITALS.

There is no hospital in the district for the isolation of infectious diseases, but, when necessary, cases are removed to the Infectious Diseases Hospital, Cambridge.

One diphtheria and two scarlet fever cases were removed during the year.

Hospitals—

Tuberculosis : Industrial Colony for Tuberculosis, Papworth.

Maternity and Children's : Addenbrooke's Hospital, Cambridge.

General Hospital : Addenbrooke's Hospital, Cambridge.

Fever Hospital : Infectious Diseases Hospital, Cambridge.

Small-Pox Hospital : Cambridge.

County Asylum : Fulbourn.

The Linton Union gives an annual subscription of £11 11s. to Addenbrooke's Hospital.

Patients at the Infectious Diseases Hospital and the County Asylum are paid for at weekly rates.

There are no hospitals in the District.

Professional Nursing in the Home is supplied by Voluntary Nursing Associations (seven) at Babraham, Balsham, Castle Camps, Horseheath, Linton, Sawston, Weston Colville. These are each given a subscription of £6 per annum by the Linton Union.

Midwives.—The number registered as practising in the District is five trained and two untrained.

CLINICS AND TREATMENT CENTRES.

Name :	*Situation :*	*Accommodation :*	*Provided by :*
Maternity and Child Welfare	Cambridge ..	..For consultation.	County Council.
Tuberculosis ..	The County Tuberculosis Dispensary	ditto.	ditto.
Venereal Disease	Addenbrooke's Hosp.	Beds for any necessary cases.	ditto.

School Medical Inspection is carried out by the County School Medical Officer.

LABORATORY WORK.

Thirty-five swabs were bacteriologically examined for the presence of Diphtheria bacilli during the year, either at the Pathological Laboratory Cambridge or at the Clinical Research Association, London.

Diphtheria antitoxin is obtained by the medical practitioners when required and charged to the District Council.

ADOPTIVE ACTS, Etc.

The Public Health Acts Amendment Act, 1890, so far as it is applicable to Rural Districts, is in force.

The Regulations with respect to Dairies, Cowsheds, and Milkshops which have been in force since 1st January, 1898, have been rescinded by the District Council, and the Model Regulations of the Ministry of Health have been adopted and came into force on 1st February, 1923.

Bye-laws with respect to Tents, Vans, Sheds, and similar structures were adopted on 12th August, 1908.

SANITARY ADMINISTRATION.

Inspections	724
Nuisances or defects found	104
Nuisances or defects remedied	83
Informal written notices	68
Statutory Notices	4
Cases of infectious disease removed to Hospital	3
Premises disinfected	14
Houses repaired	19
Samples of water taken for analysis	7

Disinfection is carried out by means of fumigation or spraying with formalin. Fourteen premises were disinfected during the year. There is no steam disinfector in the district.

There are thirty-five registered cowkeepers or purveyors of milk. Defects in four cowsheds and one dairy have been remedied.

Overcrowding.—Twelve cases were reported, none of which were remedied, but five cases previously reported were abated during the year.

FACTORIES AND WORKSHOPS.

One list of outworkers was received; no cases of infectious disease occurred in any house where "homework" was carried on.

One notification was received from H.M. Inspector of Factories, but no action was deemed necessary.

There are eighteen bakehouses in the district. These have been inspected and circular letters were sent out in May and October drawing the attention of occupiers to the cleansing and limewashing required by the Regulations under the F. and W. Act.

There are eight slaughter-houses. They have been inspected and are in a fairly satisfactory condition. Inspection is also made of butchers shops and meat stores.

There are two knackers' yards, one at Balsham and one at Duxford, to which licences have been granted during the year.

WATER SUPPLY.

Three new public wells have been bored.

WESTON COLVILLE. March, 1923. Site: Weston Green.

Strata.	*Thickness. feet.*	*Depth. feet.*
Clay, sand and some chalk	27	27
Chalk with many flints	23	50
Chalk with layers of flints	57	107
Hard stratum (probably the so-called "Chalk Rock")	5	112
Chalk with some flints	45	157

Water was first noticed at about 118 feet and rose to 96½ feet.

Measurements taken 28th March—

To water	97	feet
Water	61	,,
Total	158	feet.

The well is lined to a depth of 80ft. with 4in. wrought iron tubes; there is a rising main of 2½in. tubes extending to a depth of 94ft. with 18ft. of 1½in. suction tube projecting from the bottom of the pump.

DUXFORD. June, 1923. Site: The Green.

Strata.	*Thickness. feet.*	*Depth. feet.*
Made up soil	4	4
Hard chalk	101	105

Water rose to 9 feet.

To water	9	feet.
Water	96	,,
Total ..	105	feet.

The well is lined to a depth of 40 feet with 4 inch wrought iron tubes.

CASTLE CAMPS. September, 1923. Site: near the War Memorial.

Strata.	*Thickness. feet.*	*Depth. feet.*
Clay	150	150
Clay and some chalk	30	180
Chalk increasing	7	187
Chalk, soft	12	199
Chalk, hard	33	232

Water was first noticed at about 198 feet. The sides of this well collapsed and it is not yet finished.

Public wells at Horseheath and West Wickham have been repaired.

SEWERAGE.—New manholes have been constructed on the sewer at Sawston.

The Sanitary Inspector, Mr. A. E. Austin, found he was not able to cope with the work in this district in addition to his other district and resigned. MR. A. COULTER, "Lyme" Villa, Cherryhinton, was appointed in his place on December 12, 1923. He holds the diploma of the Royal Sanitary Institute.

HOUSING.

Number of new houses erected during the year :—

(*a*) Total	15
(*b*) With State Assistance under the Housing Acts, 1919 and 1923	—
(i) By District Council	—
(ii) By other bodies or persons	—
(*c*) By private enterprise	15

HOUSES BUILT IN 1923.

DUXFORD.—Near Whittlesford Station	D.	B.
,, ,, ...	D.	
† ,, ,, ...	D.	
† ,, ,, ...	D.	B.
ICKLETON.—† Hinxton Street	W.C. S.D.	
† ,, ,, ...	W.C. S.D.	
LINTON.—Near Station	S.D.	
,, ...	S.D.	
Mill Lane	D.	
SAWSTON.—Hillside	D.	
WEST WRATTING.—West Wratting Common ..	D.	
WHITTLESFORD.—†Near Chapel	W.C. S.D.	
,, ...	W.C. S.D.	
,, ...	W.C. D.	B.
Little Shelford Road	D.	

† Not quite completed, December, 1923.

W.C.–*Working Class.* S.D.–*Semi-detached.* D.–*Detached.* B.–*Bungalow.*

I.—INSPECTION.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ..	130
(2) Number of dwelling-houses which were inspected under the Housing (Inspection of District Regulations, 1910)	130

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. †4

(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation 25

† Two of these have been demolished.

II.—Remedy of Defects without service of formal notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers 19

III.—Action under Statutory Powers.

A.—*Proceedings under Section* 28 *of the Housing, Town Planning, Etc. Act,* 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs .. .. —

(2) Number of dwelling-houses which were rendered fit—
(*a*) by owners .. .. —
(*b*) by Local Authority in default of owners .. —

(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close .. .. .. —

B.—*Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied .. —

(2) Number of dwelling-houses in which defects were remedied—

(*a*) by owners .. .. —

(*b*) by Local Authority in default of owners .. —

C.—*Proceedings under Sections* 17 *and* 18 *of the Housing, Town Planning, Etc., Act,* 1909.

(1) Number of representations made with a view to the making of Closing Orders .. .. —

(2) Number of dwelling-houses in respect of which Closing Orders were made *4

(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit .. .. —

(4) Number of dwelling-houses in respect of which Demolition Orders were made .. .. —

(5) Number of dwelling-houses demolished in pursuance of Demolition Orders .. .. —

* Two houses demolished without Demolition Orders.

	Area in Statute Acres	Total Population.					Private Families and Dwellings.				
		1911	1921				Private Families.	Population in Private Families.	Structurally separate Dwellings occupied.	Rooms occupied.	Rooms per Person.
		Persons.	Persons.	Males.	Females	Persons per acre.					
Linton R.D.	48,115	10,567	9,926	5,016	4,910	0.2	2,602	9,510	2,581	12,839	1.35
Babraham	2,387	291	238	108	130	0.1	66	238	66	355	1.49
Balsham	4,550	804	654	332	322	0.1	183	654	182	941	1.44
Bartlow	377	90	94	39	55	0.2	22	94	22	176	1.87
Carlton-cum-Willingham	2,415	279	254	130	124	0.1	65	254	65	303	1.19
Castle Camps	3,184	670	551	292	259	0.2	157	551	157	745	1.35
Duxford	3,239	764	734	343	391	0.2	183	733	181	955	1.30
Great Abington	1,588	255	219	122	97	0.1	63	219	62	276	1.26
Hildersham	1,511	201	155	84	71	0.1	45	155	42	214	1.38
Hinxton	1,564	325	297	138	159	0.2	83	297	81	379	1.28
Horseheath	1,922	411	369	185	184	0.2	95	369	95	458	1.24
Ickleton	2,700	637	543	264	279	0.2	154	543	152	782	1.44
Linton	3,817	1,501	1,446	701	745	0.4	368	1,372	365	1,852	1.35
Little Abington	1,309	247	194	103	91	0.1	54	193	54	243	1.26
Pampisford	1,607	243	255	116	139	0.2	71	255	70	393	1.54
Sawston	1,898	1,578	1,530	746	784	0.8	422	1,515	422	2,107	1.39
Shudy Camps	2,362	287	261	125	136	0.1	68	261	68	343	1.31
Weston Colville	3,235	458	381	199	182	0.1	99	381	99	459	1.20
West Wickham	2,931	336	354	178	176	0.1	91	342	89	367	1.07
West Wratting	3,543	470	417	213	204	0.1	106	362	105	511	1.41
Whittlesford	1,976	720	980	598	382	0.5	207	722	204	980	1.36

COMPOSITION OF POPULATION.

Quinquennial Age Groups and Marital Conditions.

	Males	Females	
		All	Married
Totals	5,016	4,910	2,016
Ages (last birthday)			
0–4	409	372	—
5–9	421	395	—
10–14	418	420	—
15–19	525	353	7
20–24	474	312	80
25–29	339	326	182
30–34	296	323	227
35–39	334	342	243
40–44	290	314	234
45–49	289	328	246
50–54	247	316	222
55–59	270	287	198
60–64	234	221	146
65–69	195	199	109
70–74	136	171	65
75–79	94	125	40
80–84	28	68	13
85–89	14	34	4
90–94	3	4	—

PRINCIPAL OCCUPATIONS.

	Males	Females
Agricultural Workers	1,691	38
Metal workers	118	2
Workers in skins, leather goods	92	1
(including leather dressers)	(83)	—
Makers of textile goods and articles of dress ..	47	108
(including glove makers)	(14)	(46)
Paper workers, printers, etc.	107	54
Builders, bricklayers, etc.	182	—
Transport workers	190	9
Commercial and Financial occupations	305	17
Professional occupations	61	100
Personal Service	107	446

DWELLINGS OCCUPIED BY PRIVATE FAMILIES.

Rooms.	1—3	4—5	6—8	9 or more	Total Dwellings.	Total Families.
Dwellings—number	505	1,400	498	178	2,581	
percentage	20	54	19	7	100	
Families therein	505	1,404	508	185		2,602

NUMBER OF PRIVATE FAMILIES OCCUPYING THE FOLLOWING NUMBER OF ROOMS.

Rooms	1	2	3	4	5	6–7	8–9	10 or more.	Total Private Families.	Population in Private Families.	Rooms Occupied.	Average number of Rooms per Person.
Families	15	128	389	837	568	403	147	115	2,602			
Persons	19	277	1,167	3,348	2,840	2,537	1,232	1,444		9,510	12,839	1.35
	0.6	4.9	15.0	32.2	21.8	15.5	5.6	4.4	Percentages of Families Linton R.D.			
	0.8	6.7	8.3	26.9	18.6	27.7	6.8	4.2	Percentages of Families Cambridgeshire A.C.			

Density of Occupation.

Families and Persons living more than Two Persons per Room.

Persons per Family	Families occupying the following number of Rooms—						Total Persons.
	1	2	3	4	5	6	
4	1						4
5		4					20
6							—
7		2	17				133
8			8				64
9			6	8			126
10				5			50
11				2	1		33
12							—
13						1	13
Total 55 Families	1	6	31	15	1	1	443

Some Housing Conditions in the District :—

Acres per person, 5.

Rooms per person, 1.35.

20% of families live in houses of three rooms or less. Fifty-five families comprising 443 persons live in houses at more than two persons per room ; of these, thirty-eight families live in houses of three rooms or less.

The above tables were compiled from information relating to the District in the Census of 1921 furnished by the Registrar-General in Tables 3, 10, 11, 14a and 17 of the Report of the County of Cambridge.

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